This listing of the claims replaces any and all prior versions and listings of claims in the application:

LISTING OF THE CLAIMS

- 1 (Currently amended): A method for producing a transducer slider <u>having at least one</u> tapered <u>edge</u>, comprising:
 - (a) coating a substrate with a radiation-sensitive layer;
- (b) imagewise exposing the radiation-sensitive layer to radiation according to an intensity pattern <u>having a gradient conforming to said at least one tapered edge</u>, said intensity pattern enabling specific levels of removal of portions of the radiation sensitive layer corresponding to the specific intensity pattern used;
 - (c) developing the image into the radiation-sensitive layer; and
- (d) transferring the image into the substrate to form a transducer slider having a surface profile comprising said at least one a tapered edge as provided by the specific intensity pattern used.
- 2 (Previously presented): The method of claim 1, wherein the radiation-sensitive composition is spin coated on the substrate.
- 3 (Previously presented): The method of claim 2, wherein heat is applied to the radiation-sensitive layer after (a) and before (b).
- 4 (Previously presented): The method of claim 3, wherein the application of heat results in solvent evaporation from the radiation-sensitive layer.
- 5 (Original): The method of claim 1, wherein the radiation-sensitive layer is a positive resist.
- 6 (Original): The method of claim 1, wherein the radiation-sensitive layer is a low contrast resist.

- 7 (Original): The method of claim 1, wherein the radiation-sensitive layer has a thickness of about 1 to about 20 μm .
- 8 (Original): The method of claim 7, wherein the radiation-sensitive layer has a thickness of about 2 to about 10 μm .
 - 9 (Original): The method of claim 1 wherein the radiation is photonic
- 10 (Original): The method of claim 1, wherein the radiation has an ultraviolet wavelength.
- 11 (Original): The method of claim 1, wherein the intensity pattern is provided using a grayscale mask.
- 12 (Original): The method of claim 11, wherein the patterned grayscale mask is electronbeam sensitive.
- 13 (Original): The method of claim 12, wherein the tapered edge corresponds to a portion of the patterned gray scale mask that has not been exposed to an electron beam.
- 14 (Previously presented): The method of claim 1, wherein a solvent is applied to the radiation-sensitive layer after (b) and before (c).
- 15 (Previously presented): The method of claim 14, wherein the image is developed into the exposed portion of the radiation-sensitive layer by the solvent during (c).
- 16 (Previously presented): The method of claim 1, wherein the substrate is exposed to an etchant during (c).
 - 17 (Original): The method of claim 16, wherein the etchant comprises a gas.

- 18 (Original): The method of claim 17, wherein the gas comprises plasma.
- 19 (Original): The method of claim 18, wherein the plasma is argon based.
- 20 (Original): The method of claim 16, wherein the etchant comprises a liquid.
- 21 (Original): The method of claim 15, wherein the etchant is an isotropic etchant.
- 22 (Previously presented): The method of claim 1, wherein simultaneous removal of the patterned layer is carried out during (d).
- 23 (Original): The method of claim 1, wherein the substrate comprises a ceramic material.
 - 24 (Original): The method of claim 23, wherein the ceramic material comprises carbide.
- 25 (Original): The method of claim 24, wherein the carbide is selected from the group consisting of aluminum carbide, silicon carbide, titanium carbide, boron carbide, geranium carbide, tungsten carbide, and mixed-metal carbide.
 - 26 (Original): The method of claim 23, wherein the ceramic material comprises a nitride.
 - 27 (Original): The method of claim 23, wherein the ceramic material comprises an oxide.
- 28 (Withdrawn): A structure for forming a transducer slider, comprising a substrate and a patterned layer thereon having a tapered edge, wherein the patterned layer corresponds to a predetermined transducer slider surface profile.
 - 29 (Withdrawn): The structure of claim 28, wherein the patterned layer is polymeric.

- 30 (Withdrawn): The structure of claim 29, wherein the patterned layer comprises substantially unexposed resist.
- 31 (Withdrawn): The structure of claim 28, wherein the predetermined transducer slider surface profile contains no exposed sharp edge.
- 32 (Withdrawn): The structure of claim 28, wherein the predetermined transducer slider surface profile contains two portions that intersect at an angle of about 0.5 to about 10 degrees.
- 33 (Withdrawn): The structure of claim 32, wherein the angle from about 1 to about 5 degrees.
 - 34 (Withdrawn): A method for producing a plurality of transducer sliders, comprising:
 - (a) coating a substrate with a photosensitive layer;
- (b) exposing the photosensitive layer to curing radiation according to a patterned grayscale mask to convert the photosensitive layer into a patterned layer having a tapered edge;
- (c) removing material from the substrate according to the patterned layer to form a surface profile comprising a tapered edge that corresponds to the tapered edge of the patterned layer; and
 - (d) sectioning the substrate into a plurality of transducer sliders.
- 35 (Withdrawn): The method of claim 34, wherein the substrate is assembled from a plurality of components before (a) that will represent the plurality of transducer sliders after (d).
- 36 (Withdrawn): The method of claim 35, wherein the plurality of components are substantially identical.
- 37 (Withdrawn): The method of claim 36, wherein the plurality of components are assembled in an array.
 - 38 (Withdrawn): The method of claim 37, wherein the array is rectilinear.

- 39 (Withdrawn): The method of claim 35, wherein a monolithic solid member is cut into the plurality of components before (a).
- 40 (Currently amended): A method for producing a transducer slider <u>having at least one</u> rounded corner, comprising:
 - (a) coating a substrate with a radiation-sensitive layer;
- (b) imagewise exposing the radiation-sensitive layer to radiation according to an intensity pattern <u>having a gradient conforming to said at least one rounded corner</u>, said intensity pattern enabling specific levels of removal of portions of the radiation sensitive layer corresponding to the specific intensity pattern used;
 - (c) developing the image into the radiation-sensitive layer; and
- (d) transferring the image into the substrate to form a transducer slider having a surface profile comprising <u>said at least one</u> a rounded corner as provided by the specific intensity pattern used.